06/04/2022

BRUHAT BENGALURU MAHANAGARA PALIKE								
Raja Rajeshwari Nagar Project Division								
Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.								
MEASUREMENT SHEET								
Bill No :		1st RA bill						
Item No	1							
S.N	**Description of work**	**Unit**	**No**	**No**	**L**	**B**	**D**	**Qty**
Item Name	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete,-wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete as per specifications.KSRRB M200-12.2.-d o -i) Lime/Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20.							
	Existing Building	Cum	1	1	11.00	8.50	0.15	14.03
	Flooring	Cum	1	1	11.00	8.50	0.15	14.03
					Total Qty Work Done			**28.05**

For M/s. K. DAMODAR & Co.

D. MANJUNATH
Managing Partner
Contractor

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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07/04/2022

BRUHAT BENGALURU MAHANAGARA PALIKE								
Raja Rajeshwari Nagar Project Division								
Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.								
MEASUREMENT SHEET								
Bill No :		1st RA bill						
Item No	2							
S.N	**Description of work**	**Unit**	**No**	**No**	**L**	**B**	**D**	**Qty**
Item Name	KSRRB M200-14.1 Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications, ii) Dismantling Brick I Tile work. A. In lime mortar. MORTH Specification No. 202 KSRRB M200-14.2. -d o - Dismantling brick/Tile work B. In cement mortar.							
	Existing Building							
	Walls	Cum	1	3	11.50	0.23	3.20	25.39
		Cum	1	6	8.50	0.23	3.20	37.54
	Parapet Wall	Cum	1	1	40.00	0.23	1.00	9.20
		Cum	1	2	2.15	0.20	2.95	2.54
		Cum	2	1	3.50	0.23	1.20	0.97
		Cum	1	1	3.00	0.20	1.20	0.72
		Cum	1	1	4.00	0.80	0.20	0.64
					Total Qty Work Done			**76.99**

For M/s. K. DAMODAR & Co.

Contactor

B. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assitant Engineer
Ward No-16,
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Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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08/04/22

BRUHAT BENGALURU MAHANAGARA PALIKE								
Raja Rajeshwari Nagar Project Division								
Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.								
MEASUREMENT SHEET								
Bill No :		1st RA bill						
Item No	9							
S.N	**Description of work**	**Unit**	**No**	**No**	**L**	**B**	**D**	**Qty**
Item Name	KSRB 4-6 7: Providing and removing centering, shuttering, strutting, propping etc , an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17, I.No.4.34 of PWD S.R 2018-19)							
	Toilet Roof First Floor							
	Roof Edge	Sqm	2	1	3.70		0.15	1.11
	Roof Edge	Sqm	2	1	7.50		0.15	2.25
	Roof Beam	Sqm	2	2	2.75		0.45	4.95
	Roof Beam	Sqm	2	2	2.75		0.45	4.95
	Roof Beam	Sqm	2	2	6.75		0.45	12.15
	Column	Sqm	2	1	0.20		0.45	0.18
	Column	Sqm	2	1	0.60		0.45	0.54
	Connection Slab Ground PU Clg Side	Sqm	1	2	4.50		0.15	1.35
	Roof Edge	Sqm	1	2	2.60		0.15	0.78
	Connection Slab Ground Floor Hostel Side	Sqm	1	2	3.50		0.45	3.15
	Roof Edge	Sqm	1	2	3.50		0.15	1.05
					Total Work Done			**32.46**

For M/s. K. DAMODAR & Co

Contactor

D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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18/04/22

BRUHAT BENGALURU MAHANAGARA PALIKE								
Raja Rajeshwari Nagar Project Division								
Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.								
MEASUREMENT SHEET								
Bill No :		1st RA bill						
Item No	12							
S.N	**Description of work**	**Unit**	**No**	**No**	**L**	**B**	**D**	**Qty**
Item Name	KSRB 4-6.3: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for flat surface such as suspended floors,roofs,landings,balconies and likes thickness above 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.16, I.No.4.30 of PWD SR 2018-19)							
	Toilet Room First Floor	Sqm	1	2	3.15	6.95		43.79
	Connection Slab Ground Floor	Sqm	1	1	2.60	4.5		11.70
	Connection Slab First Floor	Sqm	1	1	2.50	3.5		8.75
					Total Work Done			**64.24**

For M/s. K. DAMODAR & Co.

Contactor

D. MANJUNATH
Managing Partner

Assitant Engineer
Ward No-16,
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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12/07/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

PER-MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	14							
S.N	Description of work	DIA	No	No	Nos of Bar	L	C	Qty
Item Name	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS (P.No.18, I.No.4.46.2 of PWD SR 2018-19)							
	First Floor (Toilet)							
	Column C1A	20MM	2	2	8.00	3.55	2.46	279.46
	strrups c/c 150	8MM	2	2	24.00	1.19	0.39	44.55
	First Floor Toilet Roof Beam							0.00
	B102 A'7to B7 & A'8 to B8 Mair	16MM	2	2	4.00	3.65	1.58	92.27
	Ex.Bar Btm	16MM	2	2	2.00	2.95	1.58	37.29
	strrups c/c 150	8MM	2	2	19.00	1.55	0.39	45.94
	B101 A'8 to B8 Main Bar	16MM	2	2	2.00	8.05	2.46	158.42
	Btm Bar	20MM	2	2	2.00	8.05	2.46	158.42
	Ex.Bar Btm	20MM	2	2	2.00	7.5	2.46	147.60
	strrups c/c 150	10MM	2	2	42.00	1.55	0.62	160.67
	B103 Inside Beam Main Bar	16MM	2	2	4.00	3.65	1.58	92.27
	Ex.Bar Btm	16MM	2	2	2.00	2.95	1.58	37.29
	strrups c/c 150	8MM	2	2	19.00	1.55	0.39	45.94
	Roof Slab							0.00
	Main Bar	10MM	2	2	19.00	7.15	0.62	335.28
	Main Bar	10MM	2	2	46.00	2.95	0.62	334.91
	Ex.Bar	8MM	2	2	19.00	1.4	0.39	41.50
	Dis.Bar	8MM	2	2	9.00	2.95	0.39	41.42
	CHAIRS	10MM	2	2	16.00	1.25	0.62	49.36
							KG	**2102.59**
	For M/s. K. DAMODAR & Co.				**Total Work Done**		**Tonne**	**2.10**

Contactor
D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants

Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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15/09/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

PER-MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	15							
S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4.9.2. Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS (P.No.18, I.No 4.46.2 of PWD SR 2018-19)							
	Connection Slab G.F Hostel Side							
	Beam	16MM	1	2	4.00	3.9	1.56	48.67
		8MM	1	2	24.00	1.55	0.39	29.02
		16MM	1	2	2.00	2.3	1.56	14.35
	Roof Slab Btm Mat	10MM	1	1	24.00	2.45	0.62	36.28
		10MM	1	1	18.00	3.45	0.62	38.32
	Top Mat	10MM	1	1	24.00	2.45	0.62	36.28
		10MM	1	1	18.00	3.45	0.62	38.32
	Conselt Beam	16MM	1	1	6.00	3.45	1.56	32.29
		8MM	1	1	24.00	1	0.39	9.36
	Chair 1000C/C	10MM	1	1	8.00	1.2	0.62	5.95
	Connection Slab G.F Pu Clg Side							
	Conselt Beam	16MM	1	2	6.00	4.35	1.56	81.43
		8MM	1	2	24.00	1	0.39	18.72
	Beam	16MM	1	2	4.00	2.5	1.56	31.20
		8MM	1	2	18.00	0.7	0.39	9.83
	Roof Slab Btm Mat	10MM	1	1	24.00	2.45	0.62	36.28
		10MM	1	1	18.00	3.45	0.62	38.32
	Top Mat	10MM	1	1	24.00	2.45	0.62	36.28
		10MM	1	1	18.00	3.45	0.62	38.32
	Chair 1000C/C	10MM	1	1	8.00	1.2	0.62	5.95
							Kg	585.16
					Total Qty Work Done		**Tonne**	**0.59**

For M/s. K. DAMODAR & Co.

Contractor
D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assistant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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18/04/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	5							
S.N	**Description of work**	**Unit**	**No**	**No**	**L**	**B**	**D**	**Qty**
Item Name	Providing and laying cement concrete using 20mm down size granite jelly of ready mixed concrte (RMC) for R.C.C works laid in 15cms thick and well compacted vibrating, curing etc.,including smooth finish cement mortar 1:3,with all lead lifts etc., complete (exclusive of cost of steel and fabrication charges) - Ready mixed cement concrete for Beams,columns,stairecase and Roof with M-25 (1:1.5:3)(Cement-320Kg/cum)							
	Toilet Roof First Floor	Roof						
	Roof	Cum	2	1	2.95	6.95	0.15	6.15
	Roof Beam	Cum	2	1	2.95	0.20	0.45	0.53
	Roof Beam	Cum	2	2	2.75	0.15	0.30	0.50
	Roof Beam	Cum	2	2	6.75	0.20	0.45	2.43
	Column	Cum	2	1	0.55	0.20	0.45	0.10
	Connection Slab Ground Floor P.U Clg	Cum	1	1	2.60	4.5	0.15	1.76
	Connection Slab Ground Floor Hostel Side	Cum	1	1	2.50	3.5	0.15	1.31
			1	2	3.50	0.15	0.45	0.47
					Total Work Done			**13.25**

For M/s. K. DAMODAR & Co.

Contactor

D. MANJUNATH

Managing Partner

Assitant Engineer
Ward No-16,
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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19/04/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

PER-MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	16							
S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS (P.No.18, I.No.4.46.2 of PWD SR 2018-19)							
	Second Floor Column							
	C1 COLUMN	12MM	1	4	8.00	3.55	0.89	100.88
	Strrups 190c/c	8MM	1	4	19.00	1.86	0.39	55.13
	Strrups 190c/c	8MM	1	4	19.00	1.44	0.39	42.68
	C2 COLUMN	16MM	1	18	10.00	3.55	1.58	1009.62
	Strrups 190c/c	8MM	1	18	19.00	1.86	0.39	248.09
	Strrups 190c/c	8MM	1	18	19.00	1.44	0.39	192.07
	Strrups 190c/c	8MM	1	18	19.00	1.14	0.39	152.05
	C3 COLUMN	20MM	1	6	10.00	3.55	2.46	523.98
	Strrups 190c/c	8MM	1	6	19.00	1.86	0.39	82.70
	Strrups 190c/c	8MM	1	6	19.00	1.44	0.39	64.02
	Strrups 190c/c	8MM	1	6	19.00	1.14	0.39	50.68
	C4 COLUMN	20MM	1	6	12.00	3.55	2.46	628.78
	Strrups 190c/c	8MM	1	6	19.00	1.86	0.39	82.70
	Strrups 190c/c	8MM	1	6	19.00	1.44	0.39	64.02
	Strrups 190c/c	8MM	1	6	19.00	1.14	0.39	50.68
	C5 COLUMN	16MM	1	2	8.00	3.55	1.58	89.74
	Strrups 190c/c	8MM	1	2	19.00	1.48	0.39	21.93
	Strrups 190c/c	8MM	1	2	19.00	1.06	0.39	15.71
	STAIR CASE 5th FLIGHT							
	Bottom beam							
	TOP Bar	12MM	1	2	2.00	4.6	0.89	16.34
	Bottom Bar	12MM	1	2	2.00	4.6	0.89	16.34
	Bottom Ex.Bar	12MM	1	2	2.00	2.7	0.89	9.59
	strrups 150c/c	8MM	2	2	24.00	1.29	0.39	48.30
	Waist slab	12MM	2	1	12.00	5	0.89	106.56
	Top extra bar	12MM	2	1	12.00	1.35	0.89	28.77
	Bottom extra bar	12MM	2	1	12.00	1.1	0.89	23.44
	Top extra bar	12MM	2	1	12.00	3	0.89	63.94
	Distribution for waist slab	8MM	2	1	27.00	1.29	0.39	27.17
	Distribution for landingslab	8MM	2	1	24.00	3.65	0.39	68.33
	CHAIRS	12MM	2	1	20.00	1.25	0.89	44.40
	STAIR CASE 6th FLIGHT							0.00
	Waist slab Bottom	12MM	2	1	12.00	5	0.89	106.56
	Top extra bar	12MM	2	1	12.00	1.35	0.89	28.77
	Bottom extra bar	12MM	2	1	12.00	1.1	0.89	23.44

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	Top extra bar	12MM	2	1	12.00	3	0.89	63.94
	Distribution for waist slab	8MM	2	1	27.00	1.29	0.39	27.17
	Distribution for landingslab	8MM	2	1	24.00	3.65	0.39	68.33
	CHAIRS	12MM	2	1	20.00	1.25	0.89	44.40
							KG	4291.24
				Total Work Done			Tonne	4.29

For M/s. K. DAMODAR & Co.

Contactor
D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assistant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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20/04/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	8							
S.N	**Description of work**	**Unit**	**No**	**No**	**L**	**B**	**D**	**Qty**
Item Name	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square /rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.No.16, I.No.4.32 of P,W, D S.R 2018-19)							
	Second Floor							
	C1	Sqm	4	2	0.20		2.95	4.72
		Sqm	4	2	0.75		2.95	17.70
	C2	Sqm	14	2	0.20		2.95	16.52
		Sqm	14	2	0.75		2.95	61.95
		Sqm	4	2	0.20		2.70	4.32
		Sqm	4	2	0.75		2.70	16.20
	C3	Sqm	4	2	0.20		2.95	4.72
		Sqm	4	2	0.75		2.95	17.70
		Sqm	2	2	0.20		2.70	2.16
		Sqm	2	2	0.75		2.70	8.10
	C4	Sqm	4	2	0.20		2.70	4.32
		Sqm	4	2	0.75		2.70	16.20
		Sqm	2	2	0.20		2.70	2.16
		Sqm	2	2	0.75		2.70	8.10
	Toilet Room							
	C1A	Sqm	2	2	0.20		2.92	2.34
		Sqm	2	2	0.60		2.92	7.01
	C1A	Sqm	2	2	0.20		2.92	2.34
		Sqm	2	2	0.60		2.92	7.01
					Total Qty Work Done			**203.56**

For M/s. D. DAMODAR & Co.
Contactor

D. MANJUNATH
Managing Partner

Assistant Engineer
Ward No-16,
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants
Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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21/04/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No :	1st RA bill
Item No 11	

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square /rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.No.16, I.No.4.32 of P,W, D S.R 2018-19)							
	STAIR CASE 5th FLIGHT							
	landing	Sqm	2	1	1.50	3.7		11.10
	landing side	Sqm	2	1	0.95		0.15	0.29
	waist slab	Sqm	2	1	2.75	1.5		8.25
	Riser	Sqm	2	11	1.50		0.15	4.95
	Sides	Sqm	2	2	2.75		0.30	3.30
	Landing Beam	Sqm	2	1	3.30	0.2		1.32
		Sqm	2	1	3.30		0.45	2.97
		Sqm	2	1	3.30		0.60	3.96
	STAIR CASE 6th FLIGHT							
	waist slab	Sqm	2	1	2.75	1.5		8.25
	Riser	Sqm	2	11	1.50		0.15	4.95
	Sides	Sqm	2	1	2.75		0.30	1.65
					Total Work Done			**50.99**

For M/s. K. DAMODAR & Co.
Contactor
D. MANJUNATH
Managing Partner

Assitant Engineer
Ward No-16,
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants

Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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25/04/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	4							
S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6							
	Second Floor							
	COLUMN Roof beam btm level							
	C1	Cum	1	4	0.20	0.75	2.95	1.77
	C2	Cum	1	14	0.20	0.75	2.95	6.20
	C2	Cum	1	4	0.20	0.75	2.70	1.62
	C3	Cum	1	4	0.20	0.75	2.95	1.77
	C3	Cum	1	2	0.20	0.75	2.70	0.81
	C4	Cum	1	4	0.20	0.75	2.95	1.77
		Cum	1	2	0.20	0.75	2.70	0.81
	STAIR CASE 5th FLIGHT							
	landing	Cum	2	1	1.50	3.7	0.15	1.67
	waist slab	Cum	2	1	2.75	1.5	0.15	1.24
	Riser	Cum	2	11	1.50	0.3	(0+0.153)/2	0.76
	Landing Beam	Cum	2	1	3.30	0.2	0.60	0.79
	STAIR CASE 6th FLIGHT	Cum						
	waist slab	Cum	2	1	2.75	1.5	0.15	1.24
	Riser	Cum	2	11	1.50	0.3	(0+0.153)/2	0.76
	Toilet Room Column First Floor	Cum	2	2	0.60	0.2	2.92	1.40
	Toilet Room Column Second Floor	Cum	2	2	0.60	0.2	2.92	1.40
					Total Work Done			**24.00**

For M/s. K. RAMCHANDRA & CO.

Contactor
D. MANJUNATH
Managing Partner

Assistant Engineer
Ward No-16,
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants
Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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28/04/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	13							
S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4-6.3: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for flat surface such as suspended floors,roofs,landings,balconies and likes thickness above 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.16, I.No.4.30 of PWD SR 2018-19)							
	Second Roof Slab							
	B7B8 to M7M8	Sqm	1	1	38.10	7.15		272.42
	A6A7 to N6N7	Sqm	1	2	8.75	2.15		37.63
	C5C7 to L5L7	Sqm	1	1	14.30	2.76		39.47
	A2A6 to C2C6 & L2L6 to N2N6	Sqm	1	2	8.75	8.02		140.35
	D3D5 TO K3K5	Sqm	1	1	19.69	6.7		131.92
	F'2 to I'2	Sqm	1	1	6.95	1.35		9.38
	slab projection							
		Sqm	1	2	0.55	1.65		1.82
	D2 to C4 & K2 to K4	Sqm	1	2	0.55	2.05		2.26
	C2 to C4 & L2 to L4	Sqm	1	2	0.55	2.27		2.50
	Deduct							
	B8,C8,E8,G8,H8,J8,L8,M8,A2, C2,D3,K3,L2,N2	Sqm	1	14	0.20	0.2		-0.56
	B7,C7,E7,G7,H7,J7,L7,M7,A6, C6,D5,F5,I5,K5,N6,C4,L4,F2, F1,F2,I2,I1	Sqm	1	20	0.20	0.75		-3.00
						Total Work Done		**634.17**

For M/s. K. DAMODAR & Co.
Contactor
D. MANJUNATH
Managing Partner

Assistant Engineer
Ward No-16,
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants
Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

Scanned with CamScanner

30/04/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	10							
S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4-6 7 Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4 6 2 (P.No.17, I.No.4.34 of PWD S.R 2018-19)							
	Second Roof Beam							
	B1,B2,B3,B4,B5,B6,B7,B9,B10,B11,B13,B14,B15	Sqm	12	2	5.40		0.45	58.32
	B30B	Sqm	1	2	4.90		0.45	4.41
		Sqm	1	2	5.30		0.45	4.77
	B33,B36,B38	Sqm	8	2	6.75		0.45	48.60
	B8,B12	Sqm	1	2	4.10		0.45	3.69
	B32 & B35A	Sqm	4	2	2.15		0.45	7.74
	Column	Sqm	2	1	0.55		0.45	0.50
		Sqm	4	2	2.76		0.45	9.94
	B16,B28,B17,B29	Sqm	4	2	8.35		0.45	30.06
		Sqm	4	1	8.75		0.45	15.75
	Deduct	Sqm	2	3	0.20		0.45	-0.54
	B30A Out side	Sqm	2	1	8.02		0.45	7.22
	B30A inside	Sqm	2	1	7.62		0.45	6.86
	B34,B35	Sqm	2	2	7.62		0.45	13.72
	B31	Sqm	2	2	7.62		0.60	18.29
	Deduct	Sqm	2	1	0.20		0.45	-0.18
		Sqm	2	1	0.55		0.45	0.50
	Staircase Beam B18&B23	Sqm	2	2	3.40		0.60	8.16
		Sqm	2	2	3.40		0.45	6.12
	Beam battom	Sqm	2	4	3.40	0.2		5.44
	B19 ,B20,B21 & B25,B26,B27	Sqm	2	2	19.69		0.60	47.26
	Deduct	Sqm	1	12	0.20		0.60	-1.44
	Portico BA	Sqm	1	1	6.55		0.60	3.93
		Sqm	1	1	6.75		0.60	4.05
		Sqm	1	2	1.15		0.60	1.38
		Sqm	1	2	1.35		0.60	1.62
	Column	Sqm	8	1	1.30		0.45	4.68
		Sqm	2	1	0.55		0.60	0.66
		Sqm	2	1	0.55		0.45	0.50
	Roof Edge							
	B8 to M8	Sqm	1	1	46.90		0.15	7.04
		Sqm	2	1	6.95		0.15	2.09

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	A'2 to A'7&N'2 to N'2	Sqm	2	1	14.32		0.15	4.30
	A'2 to C2 & L2 to N'2	Sqm	2	1	1.30		0.15	0.39
		Sqm	2	1	6.85		0.15	2.06
		Sqm	2	1	2.50		0.15	0.75
	Column	Sqm	2	2	1.30		0.60	3.12
		Sqm	2	1	1.30		0.60	1.56
	D2 to K2	Sqm	2	1	9.87		0.15	2.96
		Sqm	1	1	10.65		0.15	1.60
	Stair case	Sqm	2	2	4.80		0.15	2.88
	Deduct	Sqm	2	1	0.55		0.15	-0.17
					Total Work Done			340.54

For M/s. K. DAMODAR & CO.

Contactor

D. MANJUNATH
Managing Partner

Assistant Engineer
Ward No-16,
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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2/05/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 9

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17, I.No.4.34 of PWD S.R 2018-19)							
					Continutity Qty MB1 P.NO-3		Sqm	32.46
	Toilet Roof Second Floor							
	Roof Edge	Sqm	2	1	3.70		0.15	1.11
	Roof Edge	Sqm	2	1	7.50		0.15	2.25
	Roof Beam	Sqm	2	2	2.75		0.45	4.95
	Roof Beam	Sqm	2	2	2.75		0.45	4.95
	Roof Beam	Sqm	2	2	6.75		0.45	12.15
	Column	Sqm	2	1	0.20		0.45	0.18
	Column	Sqm	2	1	0.60		0.45	0.54
	Connection Slab First Floor PU Clg Side	Sqm	1	2	4.50		0.15	1.35
	Roof Edge	Sqm	1	2	2.60		0.15	0.78
	Connection Slab First Floor Hostel Side	Sqm	1	2	3.50		0.45	3.15
	Roof Edge	Sqm	1	2	3.50		0.15	1.05
						Total Work Done		**64.92**

For M/s. K. DAMODAR & Co.

Contactor

D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assistant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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9/05/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	12							
S.N	**Description of work**	**Unit**	**No**	**No**	**L**	**B**	**D**	**Qty**
Item Name	KSRB 4-6.3: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for flat surface such as suspended floors,roofs,landings,balconies and likes thickness above 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.16, I.No.4.30 of PWD SR 2018-19)							
			Continutity Qty MB1 P.NO-4				**Sqm**	**64.24**
	Toilet Room Second Floor	Sqm	1	2	3.15	6.95		43.79
	Connection Slab Ground Floor	Sqm	1	1	2.60	4.5		11.70
	Connection Slab First Floor	Sqm	1	1	2.50	3.5		8.75
					Total Qty Work Done			**128.47**

For M/s. K. DAMODAR & Co.

Contactor
D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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6/05/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

PRE-MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	16								
S.N	Description of work	Unit	No	No	L	B	D	Qty	
Item Name	KSRB 4.9.2. Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS (P.No.18, I.No.4.46.2 of PWD SR 2018-19)								
	Second roof Beam		Continutity Qty MB1 P.NO-9				KG	4291.24	
	B1 to B3 & B5 to B7								
	Main top bar	16MM	1	2	2.00	18.1	1.58	114.39	
	Main btm bar	16MM	1	2	2.00	18.1	1.58	114.39	
	EX.bar top middle	20MM	1	2	2.00	3.6	2.46	35.42	
	EX.bar top middle	20MM	1	2	2.00	3.9	2.46	38.38	
	EX.bar bottom	20MM	1	6	2.00	4.2	2.46	123.98	
	strrups 150c/c	8MM	1	12	12.00	1.48	0.39	83.12	
	strrups 150c/c	8MM	1	6	12.00	1.48	0.39	41.56	
	Spacer Bar	20MM	1	6	2.00	0.18	2.46	5.31	
	B8							0.00	
	Main top bar	16MM	1	1	2.00	5.6	1.58	17.70	
	Main btm bar	16MM	1	1	2.00	5.6	1.58	17.70	
	EX.bar bottom	16MM	1	1	2.00	3.2	1.58	10.11	
	strrups 150c/c	8MM	1	2	10.00	1.48	0.39	11.54	
	strrups 150c/c	8MM	1	1	9.00	1.48	0.39	5.19	
	Spacer Bar	20MM	1	1	4.00	0.18	2.46	1.77	
	B9 to B15								
	Main top bar	20MM	1	1	2.00	39.2	2.46	192.86	
	Main btm bar	20MM	1	1	2.00	39.2	2.46	192.86	
	Main top bar	20MM	1	2	2.00	4.05	2.46	39.85	
	Main btm bar	20MM	1	2	2.00	4.05	2.46	39.85	
	EX.bar top Ends	20MM	1	2	3.00	2.45	2.46	36.16	
	EX.bar top middle	20MM	1	4	2.00	3.6	2.46	70.85	
	EX.bar top middle	20MM	1	2	2.00	3.2	2.46	31.49	
	EX.bar bottom	20MM	1	6	2.00	4.2	2.46	123.98	
	EX.bar bottom	20MM	1	2	2.00	2.15	2.46	21.16	
	strrups 150c/c	10MM	1	2	12.00	1.48	0.62	21.92	
	strrups 150c/c	8MM	1	10	12.00	1.48	0.39	69.26	

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	strrups 150c/c	8MM	1	6	12.00	1.48	0.39	41.56
	strrups 150c/c	10MM	1	2	19.00	1.48	0.62	34.70
	strrups 150c/c	8MM	1	2	10.00	1.48	0.39	11.54
	strrups 150c/c	8MM	1	1	10.00	1.48	0.39	5.77
	Spacer Bar	20MM	1	7	4.00	0.18	2.46	12.40
	B38							
	Main top bar	20MM	2	1	2.00	11.56	2.46	113.75
	Main btm bar	20MM	2	1	2.00	11.56	2.46	113.75
	EX bar top ends	20MM	2	4	3.00	6.16	2.46	363.69
	EX bar bottom	20MM	2	1	2.00	9.66	2.46	95.05
	strrups 150c/c	10MM	2	1	46.00	1.48	0.62	84.01
	strrups 150c/c	10MM	2	1	19.00	1.48	0.62	34.70
	Spacer Bar	20MM	2	6	2.00	0.18	2.46	10.63
	B32 to B33							
	Main top bar	20MM	1	2	2.00	10.95	2.46	107.75
	Main btm bar	20MM	1	2	2.00	10.95	2.46	107.75
	EX.bar top ends	20MM	1	2	3.00	2.55	2.46	37.64
	EX.bar bottom	20MM	1	2	2.00	9.05	2.46	89.05
	strrups 150c/c	10MM	2	2	15.00	1.48	0.62	54.79
	strrups 150c/c	8MM	1	2	16.00	1.48	0.39	18.47
	strrups 150c/c	10MM	1	2	15.00	1.48	0.62	27.39
	Spacer Bar	20MM	1	1	4.00	0.18	2.46	1.77
	B30A to B30B							
	Main top bar	20MM	1	2	2.00	11.47	2.46	112.86
	Main btm bar	20MM	1	2	2.00	11.47	2.46	112.86
	EX.bar top	20MM	1	2	2.00	4.7	2.46	46.25
	EX.bar bottom	20MM	1	2	2.00	9.37	2.46	92.20
	strrups 150c/c	8MM	2	2	13.00	1.48	0.62	47.48
	strrups 175c/c	8MM	1	2	24.00	1.48	0.39	27.71
	strrups 150c/c	8MM	1	2	15.00	1.48	0.62	27.39
	Spacer Bar	20MM	1	1	6.00	0.18	2.46	2.66
	B16,B17,B28,B29							
	Main top bar	20MM	1	4	3.00	8.65	2.46	255.35
	Main btm bar	20MM	1	4	3.00	8.65	2.46	255.35
	EX.bar top	20MM	1	4	3.00	3.75	2.46	110.70
	EX.bar bottom	20MM	1	4	2.00	6.95	2.46	136.78
	strrups 150c/c	10MM	2	4	15.00	1.48	0.62	109.58
	strrups 175c/c	10MM	1	4	14.00	1.48	0.62	51.14
	strrups 150c/c	10MM	1	4	10.00	1.48	0.62	36.53
	Spacer Bar	20MM	1	4	4.00	0.18	2.46	7.08
	B31							
	Main top bar	20MM	1	2	2.00	9.67	2.46	95.15

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	Main btm bar	20MM	1	2	3.00	9.67	2.46	142.73
	EX bar bottom	20MM	1	2	3.00	6.12	2.46	90.33
	strrups 100c/c	10MM	2	2	23.00	1.78	0.62	101.04
	strrups 150c/c	10MM	1	2	23.00	1.78	0.62	50.52
	Spacer Bar	20MM	1	1	2.00	0.18	2.46	0.89
	B18 to B22							
	Main top bar	20MM	1	1	2.00	27.99	2.46	137.71
	Main btm bar	20MM	1	1	2.00	27.99	2.46	137.71
	EX bar top middle	20MM	1	2	2.00	3.15	2.46	31.00
	EX bar top middle	20MM	1	2	2.00	4.1	2.46	40.34
	EX bar bottom	20MM	1	2	2.00	2.7	2.46	26.57
	EX bar bottom	20MM	1	2	2.00	4.87	2.46	47.92
	EX bar bottom	20MM	1	2	2.00	5.15	2.46	50.68
	strrups 150c/c	8MM	1	4	8.00	1.48	0.39	18.47
	strrups 150c/c	8MM	1	2	8.00	1.48	0.39	9.24
	strrups 150c/c	8MM	1	4	14.00	1.48	0.39	32.32
	strrups 150c/c	8MM	1	2	15.00	1.48	0.39	17.32
	strrups 150c/c	8MM	1	2	14.00	1.48	0.39	16.15
	strrups 150c/c	8MM	1	1	16.00	1.48	0.39	9.24
	Spacer Bar	20MM	1	5	2.00	0.18	2.46	4.43
	B34 to B36							
	Main top bar	20MM	2	1	2.00	18.32	2.46	180.27
	Main btm bar	20MM	2	1	2.00	18.32	2.46	180.27
	EX.bar top middle	20MM	2	2	2.00	3.1	2.46	61.01
	EX.bar top middle	20MM	2	2	2.00	3.5	2.46	68.88
	EX.bar bottom	20MM	2	2	2.00	1.2	2.46	23.62
	EX.bar bottom	20MM	2	2	2.00	4.52	2.46	88.95
	EX.bar bottom	20MM	2	2	2.00	8.7	2.46	171.22
	strrups 150c/c	8MM	2	2	8.00	1.48	0.39	18.47
	strrups 175c/c	8MM	2	1	8.00	1.48	0.39	9.24
	strrups 150c/c	10MM	2	2	14.00	1.48	0.62	51.14
	strrups 175c/c	8MM	2	1	15.00	1.48	0.39	17.32
	strrups 150c/c	10MM	2	2	5.00	1.48	0.62	18.26
	strrups 175c/c	8MM	2	1	8.00	1.48	0.39	9.24
	strrups 150c/c	10MM	2	2	14.00	1.48	0.62	51.14
	strrups 175c/c	8MM	2	1	16.00	1.48	0.39	18.47
	Spacer Bar	20MM	1	2	4.00	0.18	2.46	3.54
	B23,B24							
	Main top bar	12MM	2	1	2.00	4.9	2.46	48.22
	Main btm bar	16MM	2	1	2.00	4.9	2.46	48.22
	EX.bar bottom	16MM	2	1	2.00	2.7	2.46	26.57
	strrups 150c/c	8MM	2	2	8.00	1.48	0.62	29.22

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	strrups 200c/c	8MM	2	1	8.00	1.48	0.62	14.61
	Spacer Bar	20MM	1	2	4.00	0.18	2.46	3.54
	B25 to B27							
	Main top bar	20MM	1	1	2.00	20.79	2.46	102.29
	Main btm bar	20MM	1	2	2.00	20.79	2.46	204.57
	EX bar top middle	20MM	1	1	3.00	4.1	2.46	30.26
	EX bar bottom	20MM	1	1	3.00	4.87	2.46	35.94
	EX bar bottom	20MM	1	1	2.00	5.15	2.46	25.34
	EX bar bottom	20MM	1	1	2.00	4.87	2.46	23.96
	strrups 150c/c	10MM	1	2	14.00	1.48	0.62	25.57
	strrups 175c/c	8MM	1	2	14.00	1.48	0.39	16.16
	strrups 150c/c	10MM	1	1	14.00	1.48	0.62	12.78
	strrups 175c/c	8MM	1	1	15.00	1.48	0.39	8.66
	strrups 150c/c	10MM	1	2	14.00	1.48	0.62	25.57
	strrups 175c/c	8MM	1	1	16.00	1.48	0.39	9.24
	Spacer Bar	20MM	1	3	4.00	0.18	2.46	5.31
	B37							
	Main top bar	20MM	2	1	3.00	8.45	2.46	124.72
	Main btm bar	20MM	2	1	3.00	8.45	2.46	124.72
	EX.bar bottom	20MM	2	1	3.00	5	2.46	73.80
	strrups 100c/c	10MM	2	2	20.00	1.78	0.62	87.86
	strrups 150c/c	10MM	2	1	18.00	1.78	0.62	39.54
	Spacer Bar	20MM	2	1	4.00	0.18	2.46	3.54
	B39 to B40							
	Main top bar	20MM	2	1	2.00	14.2	2.46	139.73
	Main btm bar	20MM	2	1	2.00	14.2	2.46	139.73
	Ex.bar top	20MM	2	1	3.00	4.45	2.46	65.68
	EX.bar bottom	20MM	2	1	3.00	9.85	2.46	145.39
	strrups 150c/c	10MM	2	2	12.00	1.78	0.62	52.72
	strrups 175c/c	10MM	2	1	8.00	1.78	0.62	17.57
	strrups 150c/c	10MM	2	2	14.00	1.78	0.62	61.50
	strrups 175c/c	10MM	2	1	12.00	1.78	0.62	26.36
	Spacer Bar	20MM	2	1	4.00	0.18	2.46	3.54
	BA							
	Main top bar	20MM	1	1	2.00	8.35	2.46	41.08
	Main btm bar	20MM	1	1	2.00	8.35	2.46	41.08
	EX.bar bottom	20MM	1	1	3.00	5.25	2.46	38.75
	strrups 100c/c	10MM	1	2	21.00	1.78	0.62	46.13
	strrups 150c/c	10MM	1	1	18.00	1.78	0.62	19.77
	Roof slab							
	B7,8 to G7,8 & H7,H8 to M7,M8							
	Main bar 150c/c	10MM	1	2	22.00	17.92	0.62	486.49

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	Main bar 150c/c	10MM	1	2	22.00	17.2	0.62	466.95
	Dis. bar	10MM	1	2	108.00	7.35	0.62	979.55
	Ex.bar Ends	10MM	2	2	46.00	1.93	0.62	219.11
	Dis. bar	10MM	1	4	14.00	7.1	0.62	245.32
	Ex.bar middile	10MM	1	4	46.00	3.5	0.62	397.35
	Dis. bar	10MM	1	4	24.00	7.1	0.62	420.55
	chairs 1000 c/c	10MM	6	2	8.00	1.5	0.62	88.85
	passage							
	A6,A7 to N6,N7							
	Main bar 150c/c	10MM	1	2	29.00	2.99	0.62	107.00
	Main bar 150c/c	10MM	1	2	28.00	2.75	0.62	95.02
	Main bar 150c/c	10MM	1	1	86.00	3.2	0.62	169.80
	Dis. bar	10MM	1	1	86.00	2.96	0.62	157.06
	Dis. bar	10MM	1	1	15.00	44	0.62	407.22
	Ex.bar Ends	10MM	1	1	5.00	26.9	0.62	82.99
	Dis. bar	10MM	1	4	15.00	1.95	0.62	72.19
	Ex.bar middile	10MM	1	4	24.00	2.55	0.62	151.04
	Dis. bar	10MM	1	4	20.00	3	0.62	148.08
	chairs 1000 c/c	10MM	1	4	21.00	3.36	0.62	174.14
	A2,A5 to C2,C5 & L2,L5 to N2,N5		1	2	44.00	1.5	0.62	81.44
	Main bar 150c/c	12MM	1	2	26.00	9.14	0.89	422.05
	Main bar 150c/c	12MM	1	2	26.00	8.9	0.89	410.97
	Dis. bar	10MM	1	2	84.00	8.02	0.62	831.32
	Ex.bar 150c/c	10MM	1	2	10.00	3.5	0.62	43.19
	Ex.bar 100c/c	10MM	1	2	70.00	3.5	0.62	302.33
	Dis. bar	10MM	1	4	32.00	9.75	0.62	770.02
	Ex.bar middile	10MM	1	4	52.00	2.4	0.62	308.01
	Dis. bar	10MM	1	4	17.00	8.02	0.62	336.49
	concealed Beam							
	Main bar	16MM	1	1	4.00	7.25	1.58	45.82
		12MM	1	1	4.00	7.25	0.89	25.75
	Strrups 150c/c	8MM	1	1	43.00	47	0.39	788.19
	chairs 1000 c/c	10MM	2	2	8.00	1.5	0.62	29.62
	D3,D5 to I3I5							
	Main bar 150c/c	10MM	2	1	64.00	6.72	0.62	530.72
	Dis. bar	10MM	2	1	62.00	6.7	0.62	512.60
	Main bar 150c/c	12MM	1	1	51.00	7.25	0.89	328.34
	Dis. bar	10MM	1	1	67.00	8.3	0.62	343.11
	Ex.bar 150c/c	10MM	1	2	64.00	2.3	0.62	181.64
	Dis. bar	10MM	1	2	21.00	6.7	0.62	173.62
	Ex.bar 100c/c	10MM	1	2	64.00	4.1	0.62	323.80

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	Dis. bar	10MM	1	4	32.00	6.7	0.62	529.14
	Ex.bar 100c/c	10MM	1	2	42.00	2.95	0.62	152.89
	Dis. bar	10MM	1	2	21.00	11.9	0.62	308.38
	Ex.bar 100c/c	10MM	1	1	66.00	3.05	0.62	124.20
	Dis. bar	10MM	1	1	32.00	6.3	0.62	124.39
	concealed Beam							
	Main bar	16MM	1	1	4.00	19.69	1.58	124.44
		12MM	1	1	4.00	19.69	0.89	69.94
	Strrups 150c/c	8MM	1	1	132.00	1.08	0.39	55.60
	chairs 1000 c/c	10MM	3	2	8.00	1.5	0.62	44.42
	slab projection							
	Main bar 150c/c Top	10MM	2	1	13.00	1.3	0.62	20.85
	Dis. bar 150c/c	8MM	2	1	10.00	1.85	0.39	14.43
	Main bar 150c/c Top	10MM	1	1	15.00	1.3	0.62	12.03
	Dis. bar 150c/c	8MM	1	1	8.00	2.15	0.39	6.71
	Main bar 150c/c Btm	10MM	1	1	15.00	1.3	0.62	12.03
	Dis. bar 150c/c	8MM	1	1	8.00	2.15	0.39	6.71
	Main bar 150c/c Top	10MM	1	1	11.00	1.3	0.62	8.82
	Dis. bar 150c/c	8MM	1	1	8.00	1.5	0.39	4.68
	Main bar 150c/c Btm	10MM	1	1	11.00	1.3	0.62	8.82
	Dis. bar 150c/c	8MM	1	1	8.00	1.5	0.39	4.68
							KG	25861.04
					Total Work Done		Tonne	25.86

For M/s. K. DAMODAR & Co.

Contactor

D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

Scanned with CamScanner

10/05/2022

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

PRE-MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 14

S.N	Description of work	DIA	No	No	Nos of Bar	L	C	Qty
Item Name	KSRB 4.9.2 Providing T M T steel reinforcement for R C C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No KBS (P No 18, I No 4.46.2 of PWD SR 2018-19)							
			Continutity Qty MB1 P.NO-5				KG	2102.59
	Second Floor							
	Column C1A	20MM	2	2	8.00	3.55	2.46	279.46
	strrups c/c 150	8MM	2	2	24.00	1.19	0.39	44.55
	Second Floor Toilet Roof Beam							0.00
	B102 A'7to B7 & A'8 to B8 Main Bar	16MM	2	2	4.00	3.65	1.58	92.27
	Ex Bar Btm	16MM	2	2	2.00	2.95	1.58	37.29
	strrups c/c 150	8MM	2	2	19.00	1.55	0.39	45.94
	B101 A'8 to B8 Main Bar	16MM	2	2	2.00	8.05	2.46	158.42
	Btm Bar	20MM	2	2	2.00	8.05	2.46	158.42
	Ex.Bar Btm	20MM	2	2	2.00	7.5	2.46	147.60
	strrups c/c 150	10MM	2	2	42.00	1.55	0.62	160.67
	B103 Inside Beam Main Bar	16MM	2	2	4.00	3.65	1.58	92.27
	Ex.Bar Btm	16MM	2	2	2.00	2.95	1.58	37.29
	strrups c/c 150	8MM	2	2	19.00	1.55	0.39	45.94
	Roof Slab							0.00
	Main Bar	10MM	2	2	19.00	7.15	0.62	335.28
	Main Bar	10MM	2	2	46.00	2.95	0.62	334.91
	Ex.Bar	8MM	2	2	19.00	1.4	0.39	41.50
	Dis.Bar	8MM	2	2	9.00	2.95	0.39	41.42
	CHAIRS	10MM	2	2	16.00	1.25	0.62	49.36
							KG	4205.18
					Total Work Done		**Tonne**	**4.21**

For M/s. K. DAMODAR & Co.

Contactor
D. MANJUNATH
Managing Partner

Assitant Engineer
Ward No-16,
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants
Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

Scanned with CamScanner

11/08/2022

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

PRE-MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 15

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS (P.No.18, I.No.4.46.2 of PWD SR 2018-19)							
			Continutity Qty MB1 P.NO-6				KG	585.16
	Connection Slab F.F Hostel Side							
	Beam	16MM	1	2	4.00	3.9	1.56	48.67
		8MM	1	2	24.00	1.55	0.39	29.02
		16MM	1	2	2.00	2.3	1.56	14.35
	Roof Slab Btm Mat	10MM	1	1	24.00	2.45	0.62	36.28
		10MM	1	1	18.00	3.45	0.62	38.32
	Top Mat	10MM	1	1	24.00	2.45	0.62	36.28
		10MM	1	1	18.00	3.45	0.62	38.32
	Conselt Beam	16MM	1	1	6.00	3.45	1.56	32.29
		8MM	1	1	24.00	1	0.39	9.36
	Chair 1000C/C	10MM	1	1	8.00	1.2	0.62	5.95
	Connection Slab F.F Pu Clg Side							
	Conselt Beam	16MM	1	2	6.00	4.35	1.56	81.43
		8MM	1	2	24.00	1	0.39	18.72
	Beam	16MM	1	2	4.00	2.5	1.56	31.20
		8MM	1	2	18.00	0.7	0.39	9.83
	Roof Slab Btm Mat	10MM	1	1	24.00	2.45	0.62	36.28
		10MM	1	1	18.00	3.45	0.62	38.32
	Top Mat	10MM	1	1	24.00	2.45	0.62	36.28
		10MM	1	1	18.00	3.45	0.62	38.32
	Chair 1000C/C	10MM	1	1	8.00	1.2	0.62	5.95
							Kg	1170.32
				Total Qty Work Done			**Tonne**	**1.17**

For M/s. K. DAMODAR & Co.

Contractor

B. MANJUNATH
Managing Partner

Assitant Engineer
Ward No-16,
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants
Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

Scanned with CamScanner

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	5							
S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	Providing and laying cement concrete using 20mm down size granite jelly of ready mixed concrte (RMC) for R.C.C works laid in 15cms thick and well compacted vibrating, curing etc ,including smooth finish cement mortar 1:3,with all lead lifts etc., complete (exclusive of cost of steel and fabrication charges) - Ready mixed cement concrete for Beams,columns,staircase and Roof with M-25 (1:1.5:3)(Cement-320Kg/cum)							
			Continutity Qty MB1 P.NO-7				Cum	13.25
	Second Roof Slab							
	B7B8 to M7M8	Cum	1	1	38.10	7.15	0.15	40.86
	A2A7 to N2N7	Cum	1	2	8.75	2.15	0.15	5.64
		Cum	1	1	14.30	2.76	0.15	5.92
	A2 ,A'6 to C2,C6 ^&L2,L6 to N'2,N6	Cum	1	2	8.75	8.02	0.15	21.05
	D3,D5 to K3,K5	Cum	1	1	19.69	6.7	0.15	19.79
	Portico	Cum	1	1	6.95	6.09	0.15	6.35
		Cum	1	2	0.60	6.69	0.15	1.20
		Cum	1	1	0.60	6.55	0.15	0.59
	Slab projaction							
		Cum	1	2	0.55	1.65	0.15	0.27
		Cum	1	2	0.55	2.05	0.15	0.34
		Cum	1	2	0.55	1.5	0.15	0.25
	B1,B2,B3,B5,B6,B7,B9,B10,B 11,B13,B14,B15	Cum	1	12	5.40	0.2	0.45	5.83
	B30B A'6A'7, A'B7	Cum	1	2	2.95	0.2	0.45	0.53
		Cum	1	2	2.15	0.2	0.45	0.39
	B33,B36,B38	Cum	1	8	7.15	0.2	0.45	5.15
	B8,B12	Cum	1	2	4.10	0.2	0.45	0.74
	B32	Cum	1	4	2.15	0.2	0.45	0.77
		Cum	1	4	2.76	0.2	0.45	0.99
	B16,B28,B17,B29	Cum	1	4	8.35	0.2	0.45	3.01
	B30A	Cum	1	2	8.02	0.2	0.45	1.44
	B31	Cum	1	2	8.02	0.2	0.60	1.92
	B34,B35	Cum	1	2	8.02	0.2	0.45	1.44
	Staircase Beam	Cum	1	2	3.40	0.2	0.60	0.82
		Cum	2	2	3.40	0.2	0.45	1.22
	B19 ,B20,B21	Cum	2	2	19.69	0.2	0.45	7.09
	B37,B40	Cum	1	4	6.70	0.2	0.60	3.22
	B'37	Cum	1	2	1.35	0.2	0.60	0.32
		Cum	1	1	6.55	0.2	0.60	0.79

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	Column	Cum	1	8	0.55	0.2	0.60	0.53
		Cum	1	3	0.55	0.2	0.75	0.25
		Cum	1	3	0.55	0.2	0.60	0.20
	Toilet Second Floor Slab	Sqm	2	1	2.90	2.55	0.15	2.22
	Roof	Cum	2	1	2.95	6.95	0.15	6.15
	Roof Beam	Cum	2	1	2.95	0.20	0.45	0.53
	Roof Beam	Cum	2	2	2.75	0.15	0.30	0.50
	Roof Beam	Cum	2	2	6.75	0.20	0.45	2.43
	Column	Cum	2	1	0.55	0.20	0.45	0.10
	Connection Slab Ground Floor P.U Clg	Sqm	1	1	2.60	4.5	0.15	1.76
	Connection Slab Ground Floor Hostel Side	Sqm	1	1	2.50	3.5	0.15	1.31
			1	2	3.50	0.15	0.45	0.47
					Total Work Done			**163.88**

For M/s. K. RAMODAR & Co.

Contactor
D. MANJUNATH
Managing Partner

Assitant Engineer
Ward No-16,
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants
Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

PRE-MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 16

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS (P.No.18, I.No.4.46.2 of PWD SR 2018-19)						KG	25861.04
	Third Floor Column		Continutity Qty MB1 P.NO-23					
	C1 COLUMN	12MM	1	4	8.00	3.55	0.89	100.88
	Strrups 190c/c	8MM	1	4	19.00	1.86	0.39	55.13
	Strrups 190c/c	8MM	1	4	19.00	1.44	0.39	42.68
	C2 COLUMN	16MM	1	18	10.00	3.55	1.58	1009.62
	Strrups 190c/c	8MM	1	18	19.00	1.86	0.39	248.09
	Strrups 190c/c	8MM	1	18	19.00	1.44	0.39	192.07
	Strrups 190c/c	8MM	1	18	19.00	1.14	0.39	152.05
	C3 COLUMN	20MM	1	6	10.00	3.55	2.46	523.98
	Strrups 190c/c	8MM	1	6	19.00	1.86	0.39	82.70
	Strrups 190c/c	8MM	1	6	19.00	1.44	0.39	64.02
	Strrups 190c/c	8MM	1	6	19.00	1.14	0.39	50.68
	C4 COLUMN	20MM	1	6	12.00	3.55	2.46	628.78
	Strrups 190c/c	8MM	1	6	19.00	1.86	0.39	82.70
	Strrups 190c/c	8MM	1	6	19.00	1.44	0.39	64.02
	Strrups 190c/c	8MM	1	6	19.00	1.14	0.39	50.68
	C5 COLUMN	16MM	1	2	8.00	3.55	1.58	89.74
	Strrups 190c/c	8MM	1	2	19.00	1.48	0.39	21.93
	Strrups 190c/c	8MM	1	2	19.00	1.06	0.39	15.71
	STAIR CASE 7th FLIGHT							0.00
	Bottom beam							0.00
	TOP Bar	12MM	1	2	2.00	4.6	0.89	16.34
	Bottom Bar	12MM	1	2	2.00	4.6	0.89	16.34
	Bottom Ex.Bar	12MM	1	2	2.00	2.7	0.89	9.59
	strrups 150c/c	8MM	2	2	24.00	1.29	0.39	48.30
	Waist slab	12MM	2	1	12.00	5	0.89	106.56
	Top extra bar	12MM	2	1	12.00	1.35	0.89	28.77
	Bottom extra bar	12MM	2	1	12.00	1.1	0.89	23.44
	Top extra bar	12MM	2	1	12.00	3	0.89	63.94

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	Distribution for waist slab	8MM	2	1	27.00	1.29	0.39	27.17
	Distribution for landingslab	8MM	2	1	24.00	3.65	0.39	68.33
	CHAIRS	12MM	2	1	20.00	1.25	0.89	44.40
	STAIR CASE 8th FLIGHT							0.00
	Waist slab Bottom	12MM	2	1	12.00	5	0.89	106.56
	Top extra bar	12MM	2	1	12.00	1.35	0.89	28.77
	Bottom extra bar	12MM	2	1	12.00	1.1	0.89	23.44
	Top extra bar	12MM	2	1	12.00	3	0.89	63.94
	Distribution for waist slab	8MM	2	1	27.00	1.29	0.39	27.17
	Distribution for landingslab	8MM	2	1	24.00	3.65	0.39	68.33
	CHAIRS	12MM	2	1	20.00	1.25	0.89	44.40
							KG	30152.28
				Total work Done			Tonne	30.15

For M/s. K. DAMODAR & Co.

Contactor
D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

Scanned with CamScanner

09/05/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	8							
S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square /rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.No.16, I.No.4.32 of P,W, D S.R 2018-19)							
			Continutity Qty MB1 P.NO-10				Sqm	203.56
	Third Floor							
	C1	Sqm	4	2	0.20		2.95	4.72
		Sqm	4	2	0.75		2.95	17.70
	C2	Sqm	14	2	0.20		2.95	16.52
		Sqm	14	2	0.75		2.95	61.95
		Sqm	4	2	0.20		2.70	4.32
		Sqm	4	2	0.75		2.70	16.20
	C3	Sqm	4	2	0.20		2.95	4.72
		Sqm	4	2	0.75		2.95	17.70
		Sqm	2	2	0.20		2.70	2.16
		Sqm	2	2	0.75		2.70	8.10
	C4	Sqm	4	2	0.20		2.70	4.32
		Sqm	4	2	0.75		2.70	16.20
		Sqm	2	2	0.20		2.70	2.16
		Sqm	2	2	0.75		2.70	8.10
	C1A	Sqm	2	2	0.20		2.92	2.34
		Sqm	2	2	0.60		2.92	7.01
					Total Work Done			397.77

For M/s. K. DAMODAR & Co.

Contactor

D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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10/05/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 11

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4-6 5 Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square /rectangular / polygon in plan including cost of all materials, labour complete as per specification Specification No KBS 4 6 2 (P No 16, I.No 4 32 of P,W, D S.R 2018-19)							
			Continutity Qty MB1 P.NO-11				Sqm	50.99
	STAIR CASE 7th FLIGHT							
	landing	Sqm	2	1	1.50	3.7		11.10
	landing side	Sqm	2	1	0.95		0.15	0.29
	waist slab	Sqm	2	1	2.75	1.5		8.25
	Riser	Sqm	2	11	1.50		0.15	4.95
	Sides	Sqm	2	2	2.75		0.30	3.30
	Landing Beam	Sqm	2	1	3.30	0.2		1.32
		Sqm	2	1	3.30		0.45	2.97
		Sqm	2	1	3.30		0.60	3.96
	STAIR CASE 8th FLIGHT							
	waist slab	Sqm	2	1	2.75	1.5		8.25
	Riser	Sqm	2	11	1.50		0.15	4.95
	Sides	Sqm	2	1	2.75		0.30	1.65
					Total Qty Work Done			**101.97**
					Upto 125%			**101.97**

For M/s. K. DAMODAR & Co.

Contactor

D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

Scanned with CamScanner

11/05/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 4

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6							
			Continutity Qty MB1 P.NO-12				Cum	24.00
	Third Floor							
	C1	Cum	1	4	0.20	0.75	2.95	1.77
	C2	Cum	1	14	0.20	0.75	2.95	6.20
	C2	Cum	1	4	0.20	0.75	2.70	1.62
	C3	Cum	1	4	0.20	0.75	2.95	1.77
	C3	Cum	1	2	0.20	0.75	2.70	0.81
	C4	Cum	1	4	0.20	0.75	2.95	1.77
		Cum	1	2	0.20	0.75	2.70	0.81
	STAIR CASE 7th FLIGHT							
	landing	Cum	2	1	1.50	3.7	0.15	1.67
	waist slab	Cum	2	1	2.75	1.5	0.15	1.24
	Riser	Cum	2	11	1.50	0.3	(0+0.153)/2	0.76
	Landing Beam	Cum	2	1	3.30	0.2	0.60	0.79
	STAIR CASE 8th FLIGHT							
	waist slab	Cum	2	1	2.75	1.5	0.15	1.24
	Riser	Cum	2	11	1.50	0.3	(0+0.153)/2	0.76
	Toilet Room Column Third Floor	Cum	2	2	0.60	0.2	2.92	1.40
						Total Work Done		46.61

For M/s. K. DAMODAR & Co

Contactor
D. MANJUNATH
Managing Partner

Assistant Engineer
Ward No-16,
BBMP

for CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants
Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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20/05/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 18

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 5-14 Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1 4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I S 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications							
	Second Floor							
	Room 1 & 4							
	Long Wall	Sqm	2	2	6.20		2.95	73.16
	Short Wall	Sqm	2	4	5.40		2.95	127.44
	Deduct							0.00
	Lintel	Sqm	2	4	5.40		0.20	-8.64
	Door	Sqm	2	1	1.20		2.40	-5.76
	Windows	Sqm	2	6	1.50		1.50	-27.00
	Room 2& 3							
	Short Wall	Sqm	2	2	5.40		2.95	63.72
		Sqm	2	2	2.05		2.95	24.19
	Deduct							
	Lintel	Sqm	2	2	5.40		0.20	-4.32
	Door	Sqm	2	1	1.20		2.40	-5.76
	Windows	Sqm	2	3	1.50		1.50	-13.50
	Room 5&8							
	Long Wall A'2 to C2	Sqm	2	1	6.85		2.95	40.42
		Sqm	2	1	1.35		3.40	9.18
		Sqm	2	1	0.35		3.40	2.38
	A'6 to C6	Sqm	2	1	6.85		2.95	40.42
		Sqm	2	1	1.35		2.95	7.97
	Short Wall C2 to C6	Sqm	2	1	4.27		2.95	25.19
		Sqm	2	1	2.95		3.40	20.06
	A'2 to A'6	Sqm	2	1	6.20		2.95	36.58
		Sqm	2	1	2.85		3.40	19.38
	Pin Wall Fornt	Sqm	2	2	0.55		3.55	7.81
	Deduct							
	Lintel	Sqm	2	1	3.85		0.20	-1.54
		Sqm	2	1	4.40		0.20	-1.76
		Sqm	2	1	1.60		0.20	-0.64
		Sqm	2	1	2.10		0.20	-0.84
	Stair case landing	Sqm	2	2	0.95		0.15	-0.57
	Door	Sqm	1	2	1.20		2.40	-5.76
	Windows	Sqm	2	4	1.80		1.50	-21.60
	Windows	Sqm	2	1	1.50		1.50	-4.50
	Stair case Room							

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	Deduct	Sqm	2	1	3.40		2.95	20.06
	Staircase beam							
	Windows	Sqm	2	1	3.40		0.60	-4.08
	Passage	Sqm	2	1	1.50		1.20	-3.60
	A'6 to A'7 & N'6 to N'7							
	Deduct w	Sqm	1	2	4.90		2.95	28.91
	Room 6&7	Sqm	1	2	1.50		1.50	-4.50
	Long Wall D6 to F6							
		Sqm	2	1	6.17		2.95	36.40
	Long Wall D3 to F3	Sqm	2	1	3.28		2.95	19.35
		Sqm	2	1	6.17		2.95	36.40
		Sqm	2	1	3.28		2.95	19.35
	Short Wall	Sqm	2	1	0.65		2.95	3.84
		Sqm	2	1	5.50		2.95	32.45
	Pin Wall Fornt	Sqm	2	1	1.85		3.40	12.58
	Deduct	Sqm	1	3	0.55		3.55	5.86
	Lintel							
		Sqm	2	1	3.00		0.20	-1.20
		Sqm	1	1	4.00		0.20	-0.80
		Sqm	2	2	2.10		0.20	-1.68
		Sqm	2	1	1.60		0.20	-0.64
	Door	Sqm	1	2	1.20		2.40	-5.76
	Windows	Sqm	1	4	1.50		1.50	-9.00
	Windows	Sqm	1	6	1.20		1.50	-10.80
						Total Qty Work Done		**571.99**
						Upto 125%		**58.28**
						Above 125%		**513.72**

For M/s. K. DAMODAR & Co.
Contactor
D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants
Authorised Signatory

Assistant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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23/05/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	13								
S.N	Description of work	Unit	No	No	L	B	D	Qty	
Item Name	KSRB 4-6.3 Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for flat surface such as suspended floors,roofs,landings,balconies and likes thickness above 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.16, I.No.4.30 of PWD SR 2018-19)								
			Continutity Qty MB1 P.NO-13						
	Third Roof Slab							Sqm	634.17
	B7B8 to M7M8	Sqm	1	1	38.10	7.15			272.42
	A6A7 to N6N7	Sqm	1	2	8.75	2.15			37.63
	C5C7 to L5L7	Sqm	1	1	14.30	2.76			39.47
	A2A6 to C2C6 & L2L6 to N2N6	Sqm	1	2	8.75	8.02			140.35
	D3D5 TO K3K5	Sqm	1	1	19.69	6.7			131.92
	F'2 to I'2	Sqm	1	1	6.95	1.35			9.38
	slab projaction								
		Sqm	1	2	0.55	1.65			1.82
	D2 to C4 & K2 to K4	Sqm	1	2	0.55	2.05			2.26
	C2 to C4 & L2 to L4	Sqm	1	2	0.55	2.27			2.50
	Deduct								
	B8,C8,E8,G8,H8,J8,L8,M8,A2, C2,D3,K3,L2,N2	Sqm	1	14	0.20	0.2			-0.56
	B7,C7,E7,G7,H7,J7,L7,M7,A6, C6,D5,F5,I5,K5,N6,C4,L4,F2, F1,F2,I2,I1	Sqm	1	20	0.20	0.75			-3.00
						Total Qty Work Done			**1268.34**
						Upto 125%			**1109.00**
						Above 125%			**159.34**

For M/s. K. DAMODAR & Co.

D. MANJUNATH
Managing Partner

Assitant Engineer
Ward No-16,
BBMP

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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22/05/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No	10								
S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not							
	Third Roof Beam			**Continutity Qty MB1 P.NO-15**			**Sqm**	**340.54**
	B1,B2,B3,B4,B5,B6,B7,B9,B10,B11,B13,B14,B15	Sqm	12	2	5.40		0.45	58.32
	B30B	Sqm	1	2	4.90		0.45	4.41
		Sqm	1	2	5.30		0.45	4.77
	B33,B36,B38	Sqm	8	2	6.75		0.45	48.60
	B8,B12	Sqm	1	2	4.10		0.45	3.69
	B32 & B35A	Sqm	4	2	2.15		0.45	7.74
	Column	Sqm	2	1	0.55		0.45	0.50
		Sqm	4	2	2.76		0.45	9.94
	B16,B28,B17,B29	Sqm	4	2	8.35		0.45	30.06
		Sqm	4	1	8.75		0.45	15.75
	Deduct	Sqm	2	3	0.20		0.45	-0.54
	B30A Out side	Sqm	2	1	8.02		0.45	7.22
	B30A inside	Sqm	2	1	7.62		0.45	6.86
	B34,B35	Sqm	2	2	7.62		0.45	13.72
	B31	Sqm	2	2	7.62		0.60	18.29
	Deduct	Sqm	2	1	0.20		0.45	-0.18
		Sqm	2	1	0.55		0.45	0.50
	Staircase Beam B18&B23	Sqm	2	2	3.40		0.60	8.16
		Sqm	2	2	3.40		0.45	6.12
	Beam battom	Sqm	2	4	3.40	0.2		5.44
	B19 ,B20,B21 & B25,B26,B27	Sqm	2	2	19.69		0.60	47.26
	Deduct	Sqm	1	12	0.20		0.60	-1.44
	Portico BA	Sqm	1	1	6.55		0.60	3.93
		Sqm	1	1	6.75		0.60	4.05
		Sqm	1	2	1.15		0.60	1.38
		Sqm	1	2	1.35		0.60	1.62
	Column	Sqm	8	1	1.30		0.45	4.68
		Sqm	2	1	0.55		0.60	0.66
		Sqm	2	1	0.55		0.45	0.50
	Roof Edge							
	B8 to M8	Sqm	1	1	46.90		0.15	7.04
		Sqm	2	1	6.95		0.15	2.09
	A'2 to A'7&N'2 to N'2	Sqm	2	1	14.32		0.15	4.30
	A'2 to C2 & L2 to N'2	Sqm	2	1	1.30		0.15	0.39
		Sqm	2	1	6.85		0.15	2.06

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	Column	Sqm	2	1	2.50		0.15	0.75
		Sqm	2	2	1.30		0.60	3.12
	D2 to K2	Sqm	2	1	1.30		0.60	1.56
		Sqm	2	1	9.87		0.15	2.96
	Stair case	Sqm	1	1	10.65		0.15	1.60
	Deduct	Sqm	2	2	4.80		0.15	2.88
		Sqm	2	1	0.55		0.15	-0.17
						Total Qty Work Done		681.08
						Upto 125%		681.08

For M/s. K. DAMODAR & Co.

Contractor
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants
Authorised Signatory

Assistant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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25/05/26

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 9

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17, I.No.4.34 of PWD S.R 2018-19)							
				Continutity Qty MB1 P.NO-16			Sqm	64.92
	Toilet Roof Third Floor							
	Roof Edge	Sqm	2	1	3.70		0.15	1.11
	Roof Edge	Sqm	2	1	7.50		0.15	2.25
	Roof Beam	Sqm	2	2	2.75		0.45	4.95
	Roof Beam	Sqm	2	2	2.75		0.45	4.95
	Roof Beam	Sqm	2	2	6.75		0.45	12.15
	Column	Sqm	2	1	0.20		0.45	0.18
	Column	Sqm	2	1	0.60		0.45	0.54
					Total Qty Work Done			**91.05**

For M/s. K. DAMODAR & Co.

Contactor
D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants
Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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26/05/22

BRUHAT BENGALURU MAHANAGARA PALIKE								
Raja Rajeshwari Nagar Project Division								
Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.								
MEASUREMENT SHEET								
Bill No :		1st RA bill						
Item No	12							
S.N	**Description of work**	**Unit**	**No**	**No**	**L**	**B**	**D**	**Qty**
Item Name	KSRB 4-6.3 Providing and removing centering, shuttering, strutting, propping etc , an removal of form work for flat surface such as suspended floors,roofs,landings,balconies and likes thickness above 200 mm including cost of all materials, labour complete as per specifications. Specification No KBS 4.6.2 (P No 16, I No 4.30 of PWD SR 2018-19)							
					Continutity Qty MB1 P,NO-		**Sqm**	128.47
	Toilet Room Third Floor	Sqm	1	2	3.15	6.95		43.79
					Total Qty Work Done			**172.26**

For M/s. K. DAMODAR & [illegible]

Contractor
UNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants
Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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28/5/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

PRE-MEASUREMENT SHEET

Bill No :	1st RA bill
Item No 16	

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS (P.No.18, I.No.4.46.2 of PWD SR 2018-19)							
			Continutity Qty MB1 P.NO-29				KG	30152.28
	Third roof Beam							
	B1 to B3 & B5 to B7							
	Main top bar	16MM	1	2	2.00	18.1	1.58	114.39
	Main btm bar	16MM	1	2	2.00	18.1	1.58	114.39
	EX.bar top middle	20MM	1	2	2.00	3.6	2.46	35.42
	EX.bar top middle	20MM	1	2	2.00	3.9	2.46	38.38
	EX.bar bottom	20MM	1	6	2.00	4.2	2.46	123.98
	strrups 150c/c	8MM	1	12	12.00	1.48	0.39	83.12
	strrups 150c/c	8MM	1	6	12.00	1.48	0.39	41.56
	Spacer Bar	20MM	1	6	2.00	0.18	2.46	5.31
	B8							0.00
	Main top bar	16MM	1	1	2.00	5.6	1.58	17.70
	Main btm bar	16MM	1	1	2.00	5.6	1.58	17.70
	EX.bar bottom	16MM	1	1	2.00	3.2	1.58	10.11
	strrups 150c/c	8MM	1	2	10.00	1.48	0.39	11.54
	strrups 150c/c	8MM	1	1	9.00	1.48	0.39	5.19
	Spacer Bar	20MM	1	1	4.00	0.18	2.46	1.77
	B9 to B15							
	Main top bar	20MM	1	1	2.00	39.2	2.46	192.86
	Main btm bar	20MM	1	1	2.00	39.2	2.46	192.86
	Main top bar	20MM	1	2	2.00	4.05	2.46	39.85
	Main btm bar	20MM	1	2	2.00	4.05	2.46	39.85
	EX.bar top Ends	20MM	1	2	3.00	2.45	2.46	36.16
	EX.bar top middle	20MM	1	4	2.00	3.6	2.46	70.85
	EX.bar top middle	20MM	1	2	2.00	3.2	2.46	31.49
	EX.bar bottom	20MM	1	6	2.00	4.2	2.46	123.98
	EX.bar bottom	20MM	1	2	2.00	2.15	2.46	21.16
	strrups 150c/c	10MM	1	2	12.00	1.48	0.62	21.92
	strrups 150c/c	8MM	1	10	12.00	1.48	0.39	69.26

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	strrups 150c/c	8MM	1	6	12.00	1.48	0.39	41.56
	strrups 150c/c	10MM	1	2	19.00	1.48	0.62	34.70
	strrups 150c/c	8MM	1	2	10.00	1.48	0.39	11.54
	strrups 150c/c	8MM	1	1	10.00	1.48	0.39	5.77
	Spacer Bar	20MM	1	7	4.00	0.18	2.46	12.40
	B38							
	Main top bar	20MM	2	1	2.00	11.56	2.46	113.75
	Main btm bar	20MM	2	1	2.00	11.56	2.46	113.75
	EX.bar top ends	20MM	2	4	3.00	6.16	2.46	363.69
	EX.bar bottom	20MM	2	1	2.00	9.66	2.46	95.05
	strrups 150c/c	10MM	2	1	46.00	1.48	0.62	84.01
	strrups 150c/c	10MM	2	1	19.00	1.48	0.62	34.70
	Spacer Bar	20MM	2	6	2.00	0.18	2.46	10.63
	B32 to B33							
	Main top bar	20MM	1	2	2.00	10.95	2.46	107.75
	Main btm bar	20MM	1	2	2.00	10.95	2.46	107.75
	EX.bar top ends	20MM	1	2	3.00	2.55	2.46	37.64
	EX.bar bottom	20MM	1	2	2.00	9.05	2.46	89.05
	strrups 150c/c	10MM	2	2	15.00	1.48	0.62	54.79
	strrups 150c/c	8MM	1	2	16.00	1.48	0.39	18.47
	strrups 150c/c	10MM	1	2	15.00	1.48	0.62	27.39
	Spacer Bar	20MM	1	1	4.00	0.18	2.46	1.77
	B30A to B30B							
	Main top bar	20MM	1	2	2.00	11.47	2.46	112.86
	Main btm bar	20MM	1	2	2.00	11.47	2.46	112.86
	EX.bar top	20MM	1	2	2.00	4.7	2.46	46.25
	EX.bar bottom	20MM	1	2	2.00	9.37	2.46	92.20
	strrups 150c/c	8MM	2	2	13.00	1.48	0.62	47.48
	strrups 175c/c	8MM	1	2	24.00	1.48	0.39	27.71
	strrups 150c/c	8MM	1	2	15.00	1.48	0.62	27.39
	Spacer Bar	20MM	1	1	6.00	0.18	2.46	2.66
	B16,B17,B28,B29							
	Main top bar	20MM	1	4	3.00	8.65	2.46	255.35
	Main btm bar	20MM	1	4	3.00	8.65	2.46	255.35
	EX.bar top	20MM	1	4	3.00	3.75	2.46	110.70
	EX.bar bottom	20MM	1	4	2.00	6.95	2.46	136.78
	strrups 150c/c	10MM	2	4	15.00	1.48	0.62	109.58
	strrups 175c/c	10MM	1	4	14.00	1.48	0.62	51.14
	strrups 150c/c	10MM	1	4	10.00	1.48	0.62	36.53
	Spacer Bar	20MM	1	4	4.00	0.18	2.46	7.08
	B31							
	Main top bar	20MM	1	2	2.00	9.67	2.46	95.15

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	Main btm bar	20MM	1	2	3.00	9.67	2.46	142.73
	EX.bar bottom	20MM	1	2	3.00	6.12	2.46	90.33
	strrups 100c/c	10MM	2	2	23.00	1.78	0.62	101.04
	strrups 150c/c	10MM	1	2	23.00	1.78	0.62	50.52
	Spacer Bar	20MM	1	1	2.00	0.18	2.46	0.89
	B18 to B22							
	Main top bar	20MM	1	1	2.00	27.99	2.46	137.71
	Main btm bar	20MM	1	1	2.00	27.99	2.46	137.71
	EX.bar top middle	20MM	1	2	2.00	3.15	2.46	31.00
	EX.bar top middle	20MM	1	2	2.00	4.1	2.46	40.34
	EX.bar bottom	20MM	1	2	2.00	2.7	2.46	26.57
	EX.bar bottom	20MM	1	2	2.00	4.87	2.46	47.92
	EX.bar bottom	20MM	1	2	2.00	5.15	2.46	50.68
	strrups 150c/c	8MM	1	4	8.00	1.48	0.39	18.47
	strrups 150c/c	8MM	1	2	8.00	1.48	0.39	9.24
	strrups 150c/c	8MM	1	4	14.00	1.48	0.39	32.32
	strrups 150c/c	8MM	1	2	15.00	1.48	0.39	17.32
	strrups 150c/c	8MM	1	2	14.00	1.48	0.39	16.16
	strrups 150c/c	8MM	1	1	16.00	1.48	0.39	9.24
	Spacer Bar	20MM	1	5	2.00	0.18	2.46	4.43
	B34 to B36							
	Main top bar	20MM	2	1	2.00	18.32	2.46	180.27
	Main btm bar	20MM	2	1	2.00	18.32	2.46	180.27
	EX.bar top middle	20MM	2	2	2.00	3.1	2.46	61.01
	EX.bar top middle	20MM	2	2	2.00	3.5	2.46	68.88
	EX.bar bottom	20MM	2	2	2.00	1.2	2.46	23.62
	EX.bar bottom	20MM	2	2	2.00	4.52	2.46	88.95
	EX.bar bottom	20MM	2	2	2.00	8.7	2.46	171.22
	strrups 150c/c	8MM	2	2	8.00	1.48	0.39	18.47
	strrups 175c/c	8MM	2	1	8.00	1.48	0.39	9.24
	strrups 150c/c	10MM	2	2	14.00	1.48	0.62	51.14
	strrups 175c/c	8MM	2	1	15.00	1.48	0.39	17.32
	strrups 150c/c	10MM	2	2	5.00	1.48	0.62	18.26
	strrups 175c/c	8MM	2	1	8.00	1.48	0.39	9.24
	strrups 150c/c	10MM	2	2	14.00	1.48	0.62	51.14
	strrups 175c/c	8MM	2	1	16.00	1.48	0.39	18.47
	Spacer Bar	20MM	1	2	4.00	0.18	2.46	3.54
	B23,B24							
	Main top bar	12MM	2	1	2.00	4.9	2.46	48.22
	Main btm bar	16MM	2	1	2.00	4.9	2.46	48.22
	EX.bar bottom	16MM	2	1	2.00	2.7	2.46	26.57
	strrups 150c/c	8MM	2	2	8.00	1.48	0.62	29.22

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	strrups 200c/c	8MM	2	1	8.00	1.48	0.62	14.61
	Spacer Bar	20MM	1	2	4.00	0.18	2.46	3.54
	B25 to B27							
	Main top bar	20MM	1	1	2.00	20.79	2.46	102.29
	Main btm bar	20MM	1	2	2.00	20.79	2.46	204.57
	EX.bar top middle	20MM	1	1	3.00	4.1	2.46	30.26
	EX.bar bottom	20MM	1	1	3.00	4.87	2.46	35.94
	EX.bar bottom	20MM	1	1	2.00	5.15	2.46	25.34
	strrups 150c/c	10MM	1	1	2.00	4.87	2.46	23.96
	strrups 175c/c	8MM	1	2	14.00	1.48	0.62	25.57
	strrups 150c/c	10MM	1	2	14.00	1.48	0.39	16.16
	strrups 175c/c	8MM	1	1	14.00	1.48	0.62	12.78
	strrups 150c/c	10MM	1	1	15.00	1.48	0.39	8.66
	strrups 175c/c	8MM	1	2	14.00	1.48	0.62	25.57
	Spacer Bar	20MM	1	1	16.00	1.48	0.39	9.24
	B37			3	4.00	0.18	2.46	5.31
	Main top bar	20MM	2	1	3.00	8.45	2.46	124.72
	Main btm bar	20MM	2	1	3.00	8.45	2.46	124.72
	EX.bar bottom	20MM	2	1	3.00	5	2.46	73.80
	strrups 100c/c	10MM	2	2	20.00	1.78	0.62	87.86
	strrups 150c/c	10MM	2	1	18.00	1.78	0.62	39.54
	Spacer Bar	20MM	2	1	4.00	0.18	2.46	3.54
	B39 to B40							
	Main top bar	20MM	2	1	2.00	14.2	2.46	139.73
	Main btm bar	20MM	2	1	2.00	14.2	2.46	139.73
	Ex.bar top	20MM	2	1	3.00	4.45	2.46	65.68
	EX.bar bottom	20MM	2	1	3.00	9.85	2.46	145.39
	strrups 150c/c	10MM	2	2	12.00	1.78	0.62	52.72
	strrups 175c/c	10MM	2	1	8.00	1.78	0.62	17.57
	strrups 150c/c	10MM	2	2	14.00	1.78	0.62	61.50
	strrups 175c/c	10MM	2	1	12.00	1.78	0.62	26.36
	Spacer Bar	20MM	2	1	4.00	0.18	2.46	3.54
	BA							
	Main top bar	20MM	1	1	2.00	8.35	2.46	41.08
	Main btm bar	20MM	1	1	2.00	8.35	2.46	41.08
	EX.bar bottom	20MM	1	1	3.00	5.25	2.46	38.75
	strrups 100c/c	10MM	1	2	21.00	1.78	0.62	46.13
	strrups 150c/c	10MM	1	1	18.00	1.78	0.62	19.77
	Roof slab							
	B7,8 to G7,8 & H7,H8 to M7,M8							
	Main bar 150c/c	10MM	1	2	22.00	17.92	0.62	486.49

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	Main bar 150c/c	10MM	1	2	22.00	17.2	0.62	466.95
	Dis. bar	10MM	1	2	108.00	7.35	0.62	979.55
	Ex.bar Ends	10MM	2	2	46.00	1.93	0.62	219.11
	Dis. bar	10MM	1	4	14.00	7.1	0.62	245.32
	Ex.bar middile	10MM	1	4	46.00	3.5	0.62	397.35
	Dis. bar	10MM	1	4	24.00	7.1	0.62	420.55
	chairs 1000 c/c	10MM	6	2	8.00	1.5	0.62	88.85
	passage							
	A6,A7 to N6,N7							
	Main bar 150c/c	10MM	1	2	29.00	2.99	0.62	107.00
	Main bar 150c/c	10MM	1	2	28.00	2.75	0.62	95.02
	Main bar 150c/c	10MM	1	1	86.00	3.2	0.62	169.80
	Dis. bar	10MM	1	1	86.00	2.96	0.62	157.06
	Dis. bar	10MM	1	1	15.00	44	0.62	407.22
	Ex.bar Ends	10MM	1	1	5.00	26.9	0.62	82.99
	Dis. bar	10MM	1	4	15.00	1.95	0.62	72.19
	Ex.bar middile	10MM	1	4	24.00	2.55	0.62	151.04
	Dis. bar	10MM	1	4	20.00	3	0.62	148.08
	chairs 1000 c/c	10MM	1	4	21.00	3.36	0.62	174.14
	A2,A5 to C2,C5 & L2,L5 to N2,N5		1	2	44.00	1.5	0.62	81.44
	Main bar 150c/c	12MM	1	2	26.00	9.14	0.89	422.05
	Main bar 150c/c	12MM	1	2	26.00	8.9	0.89	410.97
	Dis. bar	10MM	1	2	84.00	8.02	0.62	831.32
	Ex.bar 150c/c	10MM	1	2	10.00	3.5	0.62	43.19
	Ex.bar 100c/c	10MM	1	2	70.00	3.5	0.62	302.33
	Dis. bar	10MM	1	4	32.00	9.75	0.62	770.02
	Ex.bar middile	10MM	1	4	52.00	2.4	0.62	308.01
	Dis. bar	10MM	1	4	17.00	8.02	0.62	336.49
	concealed Beam							
	Main bar	16MM	1	1	4.00	7.25	1.58	45.82
		12MM	1	1	4.00	7.25	0.89	25.75
	Strrups 150c/c	8MM	1	1	43.00	47	0.39	788.19
	chairs 1000 c/c	10MM	2	2	8.00	1.5	0.62	29.62
	D3,D5 to I3I5							
	Main bar 150c/c	10MM	2	1	64.00	6.72	0.62	530.72
	Dis. bar	10MM	2	1	62.00	6.7	0.62	512.60
	Main bar 150c/c	12MM	1	1	51.00	7.25	0.89	328.34
	Dis. bar	10MM	1	1	67.00	8.3	0.62	343.11
	Ex.bar 150c/c	10MM	1	2	64.00	2.3	0.62	181.64
	Dis. bar	10MM	1	2	21.00	6.7	0.62	173.62
	Ex.bar 100c/c	10MM	1	2	64.00	4.1	0.62	323.80

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	Dis. bar	10MM	1	4	32.00	6.7	0.62	529.14
	Ex.bar 100c/c	10MM	1	2	42.00	2.95	0.62	152.89
	Dis. bar	10MM	1	2	21.00	11.9	0.62	308.38
	Ex.bar 100c/c	10MM	1	1	66.00	3.05	0.62	124.20
	Dis. bar	10MM	1	1	32.00	6.3	0.62	124.39
	concealed Beam							
	Main bar	16MM	1	1	4.00	19.69	1.58	124.44
		12MM	1	1	4.00	19.69	0.89	69.94
	Strrups 150c/c	8MM	1	1	132.00	1.06	0.39	55.60
	chairs 1000 c/c	10MM	3	2	8.00	1.5	0.62	44.42
	slab projection							
	Main bar 150c/c Top	10MM	2	1	13.00	1.3	0.62	20.85
	Dis. bar 150c/c	8MM	2	1	10.00	1.85	0.39	14.43
	Main bar 150c/c Top	10MM	2	1	15.00	1.3	0.62	24.06
	Dis. bar 150c/c	8MM	2	1	8.00	2.15	0.39	13.42
	Main bar 150c/c Top	10MM	1	1	11.00	1.3	0.62	8.82
	Dis. bar 150c/c	8MM	1	1	8.00	1.5	0.39	4.68
	Main bar 150c/c Btm	10MM	1	1	11.00	1.3	0.62	8.82
	Dis. bar 150c/c	8MM	1	1	8.00	1.5	0.39	4.68
					Total Qty Work Done		Kg	51722.08
							Tonne	**51.72**
					Upto 125%			**33.49**
					Above 125%			**18.23**

For M/s. K. DAMODAR & Co.
Contactor
D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants
Authorised Signatory

Assistant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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31/05/22

BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School In Ward no 16.

PRE-MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 14

S.N	Description of work	DIA	No	No	Nos of Bar	L	C	Qty
Item Name	KSRB 4.9.2 Providing T M T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications Specification No KBS (P No 18, I No 4.46.2 of PWD SR 2018-19)							
			Continutity Qty MB1 P.NO-24				KG	4205.18
	Third Floor							
	Column C1A	20MM	2	2	8.00	3.55	2.46	279.46
	strrups c/c 150	8MM	2	2	24.00	1.19	0.39	44.55
	Third Floor Toilet Roof Beam							0.00
	B102 A'7to B7 & A'8 to B8 Mair	16MM	2	2	4.00	3.65	1.58	92.27
	Ex Bar Btm	16MM	2	2	2.00	2.95	1.58	37.29
	strrups c/c 150	8MM	2	2	19.00	1.55	0.39	45.94
	B101 A'8 to B8 Main Bar	16MM	2	2	2.00	8.05	2.46	158.42
	Btm Bar	20MM	2	2	2.00	8.05	2.46	158.42
	Ex.Bar Btm	20MM	2	2	2.00	7.5	2.46	147.60
	strrups c/c 150	10MM	2	2	42.00	1.55	0.62	160.67
	B103 Inside Beam Main Bar	16MM	2	2	4.00	3.65	1.58	92.27
	Ex.Bar Btm	16MM	2	2	2.00	2.95	1.58	37.29
	strrups c/c 150	8MM	2	2	19.00	1.55	0.39	45.94
	Roof Slab							0.00
	Main Bar	10MM	2	2	19.00	7.15	0.62	335.28
	Main Bar	10MM	2	2	46.00	2.95	0.62	334.91
	Ex.Bar	8MM	2	2	19.00	1.4	0.39	41.50
	Dis.Bar	8MM	2	2	9.00	2.95	0.39	41.42
	CHAIRS	10MM	2	2	16.00	1.25	0.62	49.36
							KG	**6307.77**
				Total Work Done			**Tonne**	**6.31**

For M/s. K. DAMODAR & Co.

Contactor

D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultants

Authorised Signatory

Assitant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 5

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	Providing and laying cement concrete using 20mm down size granite jelly of ready mixed concrte (RMC) for R.C.C works laid in 15cms thick and well compacted vibrating, curing etc.,including smooth finish cement mortar 1:3,with all lead lifts etc., complete (exclusive of cost of steel and fabrication charges) - Ready mixed cement concrete for Beams,columns,stairecase and Roof with M-25 (1:1.5:3)(Cement-320Kg/cum)							
	Third Roof Slab		Continutity Qty MB1 P.NO-27				Cum	163.88
	B7B8 to M7M8	Cum	1	1	38.10	7.15	0.15	40.86
	A2A7 to N2N7	Cum	1	2	8.75	2.15	0.15	5.64
		Cum	1	1	14.30	2.76	0.15	5.92
	A2 ,A'6 to C2,C6 ^&L2,L6 to N'2,N6	Cum	1	2	8.75	8.02	0.15	21.05
	D3,D5 to K3,K5	Cum	1	1	19.69	6.7	0.15	19.79
	Portico	Cum	1	1	6.95	6.09	0.15	6.35
		Cum	1	2	0.60	6.69	0.15	1.20
		Cum	1	1	0.60	6.55	0.15	0.59
	slab projaction							
		Cum	1	2	0.55	1.65	0.15	0.27
		Cum	1	2	0.55	2.05	0.15	0.34
		Cum	1	2	0.55	1.5	0.15	0.25
	B1,B2,B3,B5,B6,B7,B9,B10,B 11,B13,B14,B15	Cum	1	12	5.40	0.2	0.45	5.83
	B30B A'6A'7, A'B7	Cum	1	2	2.95	0.2	0.45	0.53
		Cum	1	2	2.15	0.2	0.45	0.39
	B33,B36,B38	Cum	1	8	7.15	0.2	0.45	5.15
	B8,B12	Cum	1	2	4.10	0.2	0.45	0.74
	B32	Cum	1	4	2.15	0.2	0.45	0.77
		Cum	1	4	2.76	0.2	0.45	0.99
	B16,B28,B17,B29	Cum	1	4	8.35	0.2	0.45	3.01
	B30A	Cum	1	2	8.02	0.2	0.45	1.44
	B31	Cum	1	2	8.02	0.2	0.60	1.92
	B34,B35	Cum	1	2	8.02	0.2	0.45	1.44
	Staircase Beam	Cum	1	2	3.40	0.2	0.60	0.82
		Cum	2	2	3.40	0.2	0.45	1.22
	B19 ,B20,B21	Cum	2	2	19.69	0.2	0.45	7.09
	B37,B40	Cum	1	4	6.70	0.2	0.60	3.22

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BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Project Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MEASUREMENT SHEET

Bill No : 1st RA bill

Item No 5

S.N	Description of work	Unit	No	No	L	B	D	Qty
Item Name	Providing and laying cement concrete using 20mm down size granite jelly of ready mixed concrte (RMC) for R.C.C works laid in 15cms thick and well compacted vibrating, curing etc.,including smooth finish cement mortar 1:3,with all lead lifts etc., complete (exclusive of cost of steel and fabrication charges) - Ready mixed cement concrete for Beams,columns,staircase and Roof with M-25 (1:1.5:3)(Cement-320Kg/cum)							
			Continutity Qty MB1 P.NO-27				Cum	163.88
	Third Roof Slab							
	B7B8 to M7M8	Cum	1	1	38.10	7.15	0.15	40.86
	A2A7 to N2N7	Cum	1	2	8.75	2.15	0.15	5.64
		Cum	1	1	14.30	2.76	0.15	5.92
	A2 ,A'6 to C2,C6 ^&L2,L6 to N'2,N6	Cum	1	2	8.75	8.02	0.15	21.05
	D3,D5 to K3,K5	Cum	1	1	19.69	6.7	0.15	19.79
	Portico	Cum	1	1	6.95	6.09	0.15	6.35
		Cum	1	2	0.60	6.69	0.15	1.20
		Cum	1	1	0.60	6.55	0.15	0.59
	slab projaction							
		Cum	1	2	0.55	1.65	0.15	0.27
		Cum	1	2	0.55	2.05	0.15	0.34
		Cum	1	2	0.55	1.5	0.15	0.25
	B1,B2,B3,B5,B6,B7,B9,B10,B11,B13,B14,B15	Cum	1	12	5.40	0.2	0.45	5.83
	B30B A'6A'7, A'B7	Cum	1	2	2.95	0.2	0.45	0.53
		Cum	1	2	2.15	0.2	0.45	0.39
	B33,B36,B38	Cum	1	8	7.15	0.2	0.45	5.15
	B8,B12	Cum	1	2	4.10	0.2	0.45	0.74
	B32	Cum	1	4	2.15	0.2	0.45	0.77
		Cum	1	4	2.76	0.2	0.45	0.99
	B16,B28,B17,B29	Cum	1	4	8.35	0.2	0.45	3.01
	B30A	Cum	1	2	8.02	0.2	0.45	1.44
	B31	Cum	1	2	8.02	0.2	0.60	1.92
	B34,B35	Cum	1	2	8.02	0.2	0.45	1.44
	Staircase Beam	Cum	1	2	3.40	0.2	0.60	0.82
		Cum	2	2	3.40	0.2	0.45	1.22
	B19 ,B20,B21	Cum	2	2	19.69	0.2	0.45	7.09
	B37,B40	Cum	1	4	6.70	0.2	0.60	3.22

checked & recd

Executive Engineer
Rajarajeshwari Nagara Division
Bruhat Bangalore Mahanagara Palike
Bangalore-560 054.

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	B'37	Cum	1	2	1.35	0.2	0.60	0.32
		Cum	1	1	6.55	0.2	0.60	0.79
	Column	Cum	1	8	0.55	0.2	0.60	0.53
		Cum	1	3	0.55	0.2	0.75	0.35
		Cum	1	3	0.55	0.2	0.60	0.20
	Toilet Third Floor Slab	Sqm	2	1	2.90	2.55	0.15	2.22
	Roof	Cum	2	1	2.95	6.95	0.15	6.15
	Roof Beam	Cum	2	1	2.95	0.20	0.45	0.80
	Roof Beam	Cum	2	2	2.75	0.15	0.30	0.50
	Roof Beam	Cum	2	2	6.75	0.20	0.45	0.81
	Column	Cum	2	1	0.55	0.20	0.45	0.20
						Total Work Done		311.89

For M/s. K. DAMODAR & Co.

Contactor

D. MANJUNATH
Managing Partner

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Consultants

Authorised Signatory

Assistant Engineer
Ward No-16,
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

Received with Measurements
Assistant Executive Engineer
Yeshwanthapura Sub-Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 054.

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